

2012 Subaru Impreza® WRX®

Specifications

Body Styles	4-Door or 5-Door wide-body designs, 5-passenger	
Engine	4-cylinder, horizontally opposed (Boxer), turbocharged/intercooled, specially reinforced die-cast aluminum alloy with integral cast iron cylinder liners, five main bearings, semi-closed deck cylinder block design	
Displacement	2,457 cc (150 cu. in.)	
Bore x Stroke	99.5 x 79 mm (3.92 x 3.11 in.)	
Compression ratio	8.4:1	
Fuel/Induction	Sequential multi-port fuel injection (MFI) with multi-spray injectors, Electronic Throttle Control (ETC) system, high-boost turbocharger	
Max. boost pressure	14.2 PSI	
Horsepower	265 hp @ 6,000 rpm	
Torque	244 lb.-ft. @ 4,000 rpm	
Valvetrain	Double overhead belt-driven camshafts (DOHC), four valves per cylinder, Subaru AVCS (Active Valve Control System) variable valve timing	
Fuel requirement	Premium, 91 octane minimum	
Ignition	Direct with iridium tipped spark plugs	
Firing order	1-3-2-4	
Emission control system	Low Emission Vehicle (LEV 2) standard, 50-state certified CA LEV 2 / Fed Bin 5, Tier 2	
Alternator rating	12V, 110 Amps	
Drivetrain		
Transmission type	5-speed manual	
Symmetrical All Wheel Drive	Continuous AWD version of Subaru Symmetrical All-Wheel Drive uses viscous-coupling locking center differential to divide power 50:50; slippage at either set of wheels transfers up to 100% of torque to the opposite set.	
Stability/traction control	Vehicle Dynamics Control with all-wheel, all-speed traction control	
Transmission ratios		
	1	3.166
	2	1.882
	3	1.296
	4	0.972
	5	0.738
	R	3.333
Final drive ratio	3.90	
Chassis	Unitized body construction with Ring-Shaped Frame Reinforcement structure	
Suspension	4-wheel independent with WRX sport tuning	
	Front	MacPherson-type struts; steel lower L-arms; coil springs; 21-mm stabilizer bar and negative-scrub geometry
	Rear	Double-wishbone type with 16-mm stabilizer bar
Brakes	Power assisted 4-wheel disc with standard 4-channel / 4-sensor ABS, Electronic Brake-force Distribution (EBD) and Brake Assist	
	Front	11.6-in. ventilated disc, dual-piston calipers
	Rear	11.3-in. solid disc, single-piston calipers
Steering	Rack-and-pinion with engine-speed controlled variable power assist	
	Ratio	15:1
	Turns, lock-to-lock	2.8

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Turning circle	35.4 ft.
Wheels	17 x 8 JJ 15-spoke aluminum alloy
Tires	235/45R17 94W Dunlop SP01 summer performance tires
Exterior Dimensions	
Wheelbase	103.3 in.
Length	4-Door: 180.3 in. 5-Door: 173.8 in.
Width	70.7 in
Height	58.1 in.
Track (front/rear)	60.2 in./60.6 in.
Curb weight (lbs.)	WRX (4 and 5-door): 3,208 WRX Premium and Limited (4 and 5-door): 3,241
Interior Dimensions	
Headroom (f/r)	WRX 4 dr. and 5 dr.: 40.3 in. / 37.6 in. 4 dr. w/moonroof: 39.3/37.4 5 dr. w/moonroof: 39.3/37.5
Legroom (f/r)	43.5 in. / 33.5 in.
Hip room (f/r)	53.4 in. / 53.3 in.
Shoulder room (f/r)	54.8 in. / 53.2 in.
EPA interior volume	4-Door: 94.6 cu. ft. w/moonroof: 93.0 cu. ft. 5-Door: 94.6 cu. ft. w/moonroof: 93.2 cu. ft.
EPA trunk volume, 4-Door	11.3 cu. ft.
Cargo volume, 5-Door	Rear seat backs up: 19.0 cu. ft. Rear seat backs down: 44.4 cu. ft.
Trunk liftover height	4-dor: 27.4 in. 5-door: 26.0 in.
Max. load floor length, 5-Door	Rear seat backs up: 31.7 in. Rear seat backs down: 60.1 in.
Cargo width between wheel housings, 5-Door	42.0 in.
Fuel Efficiency	
EPA city /highway/combined mpg	19/25/21
Fuel tank capacity	16.9 gal